IC40C - Pre-Instructional Survey

Name: _____________________________________ Date: ________________

1. A batch process, according to ISA/IEC standard
   a. once established in a steady operating condition is not dependant on the
      length of time of the operation.
   b. is a chemical processes which can not be run in a continuous manner.
   c. is a process that leads to the production of finite quantities of materials.
   d. must all take place in a single process unit.

2. The ANSI/ISA-88.01-1995 standard
   a. specifies the one way to implement batch control.
   b. emphasizes good practices for the design of batch plants.
   c. restricts development in the area of batch
   d. applies to all aspects of manufacturing

3. A recipe
   a. tells the batch control system everything needed about how to make the
      product.
   b. define the only way to make a specific product, independent of raw materials.
   c. does not usually exist for each final product to be produced.
   d. contains only some of the information that defines the production
      requirements of a product.

4. General recipes
   a. are required for centralized control of product information.
   b. are not a required element of a batch system.
   c. are only needed for multiple country companies.
   d. a and b
   e. b and c
   f. a and c
5. Site recipes
   a. are required for site control of product information.
   b. are only needed for sites with different processing capabilities in cells.
   c. are not a required element of a batch system.
   d. a and b
   e. b and c
   f. a and c

6. Master recipes
   a. may be derived from a site recipe.
   b. are not a required element of a batch system.
   c. are a type of recipe which is not process cell specific.
   d. a and b
   e. b and c
   f. a and c

7. Control recipe
   a. is unique to a batch.
   b. is not a required element of a batch system.
   c. is derived from a master recipe.
   d. a and b
   e. b and c
   f. a and c

8. Multiple unit procedures may be active in a process cell at the same time.
   a. TRUE
   b. FALSE

9. Multiple batches may be running in a process cell at the same time.
   a. TRUE
   b. FALSE

10. Multiple batches may be running in a unit at the same time.
    a. TRUE
    b. FALSE
11. A recipe’s procedure logic must be hard-coded into equipment.
   a. TRUE
   b. FALSE

12. Recipe procedures must be defined in terms of three levels.
   a. TRUE
   b. FALSE

13. Process cell
   a. boundaries are fixed.
   b. can be uniquely identified by the equipment.
   c. may contain one or more batches.
   d. a and b
   e. b and c
   f. a and c
IC40C Pre-Instructional Survey Answer Sheet

1. c
2. b
3. d
4. b
5. c
6. a
7. f
8. a
9. a
10. b
11. b
12. b
13. f